

Title (en)

Discharge lamp lighting apparatus

Title (de)

Gerät zum Betreiben einer Entladungslampe

Title (fr)

Appareil pour alimenter une lampe à décharge

Publication

EP 1049361 A3 20020410 (EN)

Application

EP 00108868 A 20000426

Priority

- JP 12088899 A 19990428
- JP 2000093070 A 20000330

Abstract (en)

[origin: EP1049361A2] The discharge lamp lighting apparatus includes: a direct current power supply E; switching elements Q1 and Q2 for switching a direct current supplied from the direct current power supply E so as to generate a high frequency current; a discharge lamp load circuit LAC1 which is constructed in a manner that a discharge lamp LA and a coupling capacitor C4 are connected in series, and the discharge lamp LA is lit by a high frequency current generated by the switching elements Q1 and Q2; a switching element control circuit IC1 for controlling the switching elements Q1 and Q2. The discharge lamp lighting apparatus is further provided with a protective circuit NP2 which distinguishes a fault of the discharge lamp LA by detecting a voltage generated in the coupling capacitor C4, and outputs a control signal to the switching element control circuit IC1. <IMAGE>

IPC 1-7

H05B 41/285

IPC 8 full level

H05B 41/14 (2006.01); **H05B 41/24** (2006.01); **H05B 41/285** (2006.01)

CPC (source: EP KR US)

H05B 41/14 (2013.01 - KR); **H05B 41/2855** (2013.01 - EP US); **Y10S 315/04** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Citation (search report)

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EP 1049361 A2 20001102; **EP 1049361 A3 20020410**; CN 1197438 C 20050413; CN 1277536 A 20001220; JP 2001015289 A 20010119; KR 20010014821 A 20010226; TW 465257 B 20011121; US 6429603 B1 20020806

DOCDB simple family (application)

EP 00108868 A 20000426; CN 00117858 A 20000427; JP 2000093070 A 20000330; KR 20000021856 A 20000425; TW 89107986 A 20000427; US 55917400 A 20000427